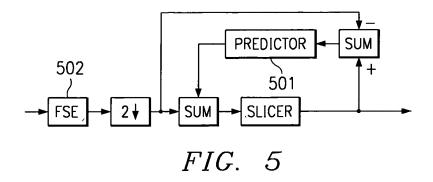
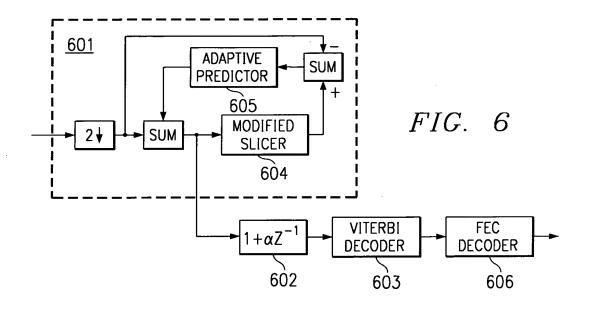


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DEC. 0 6.2004



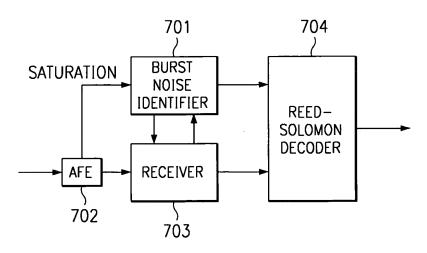


FIG. 7



DEC. 0 8.2004

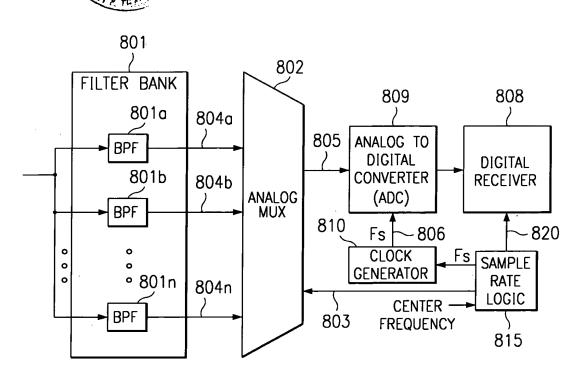


FIG. 8

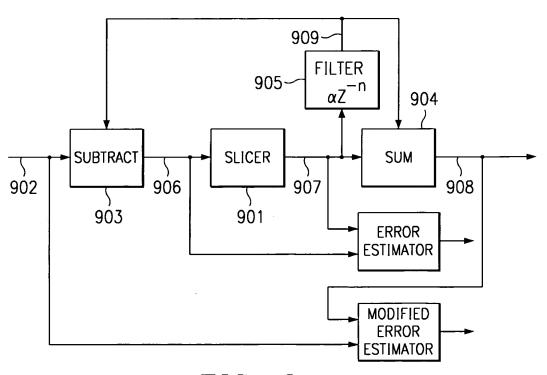
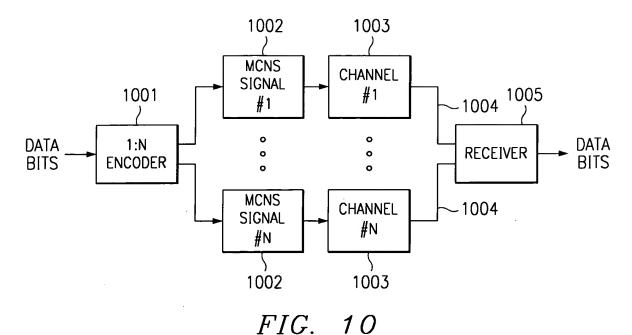


FIG. 9







DATA BLOCK

RE-TRANSMISSION

ORIGINAL TRANSMISSION

16QAM MAPPING UTPUT

16QAM MAPPING ENCODED OUTPUT

RE-TRANSMISSION

RE-TRANSMISSION

OUTPUT

1301 | b1(n) b2(n)] 1303 | Table 1302 | 16QAM MAPPING OUTPUT

FIG. 11

FIG. 13



	FIRST SYMBOL					SEC	COND	SYMI	BOL
	A 1	A2	A3	Α4		C3			C2
	B1	B2	В3	B4		A3	A1	A4	A2
	C1	C2	C3	C4	1	D3	D1	D4	D2
İ	D1	D2	D3	D4	[B3	B1	B4	B2

FIG. 12A

F	IRST	SYMB	OL	_	SEC	COND	SYM	BOL	
A1	A2	A3	Α4		C2	C4	C1	C3	
B1	B2	В3	B4		A3	A 1	Α4	A2	
C1	C2	C3	C4		D2	D4	D1	D3	
D1	D2	D3	D4		В3	B1	B 4	B2	
				•					_

FIG. 12B

0001	0100	0101
0010	0111	0110
1101	1000	1001
1110	1011	1010
	0010 1101	0010 0111 1101 1000

FIG. 14